

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-15. (canceled)

16. (currently amended) ~~Green~~ A green part having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

40% ≤ ~~Al₂O₃~~ Al₂O₃,

0% ≤ ZrO₂ ≤ 41%,

2% ≤ SiO₂ ≤ 22%,

1% < Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + ~~Yb₂O₃~~ + Na₂O, said green part being obtained by adding to a mixture of raw materials an amount greater than 1 % of a constituent consisting of one or more of the oxides from ~~Y₂O₃, V₂O₅, TiO₂, Sb₂O₃, Yb₂O₃, and Na₂O~~ Yb₂O₃, Fe₂O₃ being an impurity.

17. (currently amended) ~~Green~~ The green part according to claim 16, having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

40% ≤ ~~Al₂O₃~~ Al₂O₃ ≤ 94%,

0% ≤ ZrO₂ ≤ 41%,

2% ≤ SiO₂ ≤ 22%,

1% < Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + Yb₂O₃ + ~~Na₂O~~.

18. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

3% ≤ SiO₂.

19. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

TiO₂ ≥ 2%.

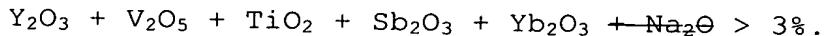
20. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + Yb₂O₃ + ~~Na₂O~~ ≤ 5%.

21. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

Y₂O₃ + V₂O₅ + TiO₂ + Sb₂O₃ + Yb₂O₃ + ~~Na₂O~~ > 2%.

22. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

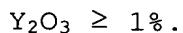


23. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 and Na_2O is greater than 1%.

24. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 and Na_2O is greater than 2%.

25. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 and Na_2O is greater than 3%.

26. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



27. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$\text{Y}_2\text{O}_3 \geq 2\%.$$

28. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$\text{Y}_2\text{O}_3 \geq 3\%.$$

29. (currently amended) ~~Process~~ A process for manufacturing a sintered refractory product, comprising at least the following successive steps:

a) preparation of a green part according to claim 16 from a mixture of raw materials to which has been added an amount of greater than 1% of a constituent ~~consisting of~~ comprising one or more of [[the]] oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 and Na_2O , in percentages by weight on the basis of the mineral oxides; and

b) sintering [[of]] said green part.

30. (new) The process according to claim 29, in which, at step b), the green part is sintered at a temperature of between 1300°C and 1500°C.

31. (new) The process according to claim 29, in which at step b) the green part is sintered to form a refractory block.

32. (new) The process according to claim 29, wherein the sintered refractory product is employed in a region of a glass making furnace for the manufacture of soda lime or extra white soda lime glass.

33. (new) A green part comprising a following average mineral chemical composition, in percentages by weight on a basis of mineral oxides:

$$40\% \leq \text{Al}_2\text{O}_3,$$

$$0\% \leq \text{ZrO}_2 \leq 41\%,$$

$$2\% \leq \text{SiO}_2 \leq 22\%,$$

$$1\% < \text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O},$$

$$\text{Y}_2\text{O}_3 \geq 1\%,$$

said green part being obtained by adding to a mixture of raw materials an amount greater than 1% of a constituent comprising one or more oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O .

34. (new) The green part according to claim 16, in the form of a block.

35. (new) The green part according to claim 16, wherein $Y_2O_3 + V_2O_5 + Sb_2O_3 + Yb_2O_3 > 1\%$.

36. (new) The green part according to claim 16, wherein said green part is obtained by adding to a mixture of raw materials an amount greater than 1% of a constituent comprising one or more oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 and Yb_2O_3 .

37. (new) A green part comprising a following average mineral chemical composition, in percentages by weight on a basis of mineral oxides:

$40\% \leq Al_2O_3$,

$0\% \leq ZrO_2 \leq 41\%$,

$2\% \leq SiO_2 \leq 22\%$,

$1\% < Y_2O_3 + V_2O_5 + TiO_2 + Sb_2O_3 + Yb_2O_3 + Na_2O$,

said green part being obtained by adding to a mixture of raw materials an amount greater than 1% of a constituent comprising one or more oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O , Fe_2O_3 being an impurity.